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In the claims:

Please add new claims as follows:



- --2. The apparatus of claim 1 additionally comprising means for sorting said plurality of discrete particles by size from smaller particles.
- 3. The apparatus of claim 2 wherein said sorting and collimation means comprise one or more virtual impactors.
- 4. The apparatus of claim 3 wherein said one or more virtual impactors carry said plurality of discrete particles after sorting.
 - 5. The apparatus of claim 3 wherein two or more virtual impactors are placed in series.
- 6. The apparatus of claim 5 wherein one or more virtual impactors comprise nozzles leading to a virtual impactor later in series.
 - 7. The apparatus of claim 1 wherein said force application means comprises a carrier gas.
- 8. The apparatus of claim 7 wherein said force application means additionally comprises a laser.
- 9. The apparatus of claim 1 wherein said collimation means comprises means for entraining said plurality of particles in a sheath gas.

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- 10. The apparatus of claim 9 wherein said entraining means comprises means for annularly surrounding said plurality of particles at an orifice of said collimation means.
- 11. A method of direct writing of a material, the method comprising the steps of:

 supplying the material to be deposited;

 atomizing the material to produce a plurality of discrete particles;

 applying a force to propel the plurality of discrete particles generally toward a substrate;

collimating the plurality of discrete particles to control the direction of flight of the plurality of discrete particles; and depositing the plurality of discrete particles on the substrate.

- 12. The method of claim 11 additionally comprising the step of sorting the plurality of discrete particles by size from smaller particles.
- 13. The method of claim 12 wherein the sorting and collimating steps comprise employing one or more virtual impactors.
- 14. The method of claim 13 wherein the one or more virtual impactors carry the plurality of particles after sorting.
 - 15. The method of claim 13 wherein two or more virtual impactors are placed in series.

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- 16. The method of claim 15 wherein one or more virtual impactors comprise nozzles leading to a virtual impactor later in series.
 - 17. The method of claim 11 wherein the applying step comprises employing a carrier gas.
- 18. The method of claim 17 wherein the applying step additionally comprises employing a laser.
- 19. The method of claim 11 wherein the collimating step comprises entraining the plurality of particles in a sheath gas.
- 20. The method of claim 19 wherein the entraining step comprises annularly surrounding the plurality of particles at an onfice employed in the collimating step.—